

STASYUK, Valentin Nikolayevich; KUZNETSOV, B.T., red.; LARIONOV,  
G.Ye., tekhn. red.

[Construction of a.c. traction networks for industrial  
transport systems] Montazh tiagovoi seti elektrifitsirovan-  
nogo promyshlennogo transporta. Moskva, Gosenergoizdat,  
1963. 95 p. (Biblioteka elektromontera, no.110)  
(MIRA 17:3)

STASYUK, Valentin Nikolayevich, kand. tekhn.nauk; SHADRIN, Nikolay  
Mikhailovich, inzh.

[Electrification of transport in metallurgy using single-  
phase current] Elektrifikatsiia transporta v metallurgii na  
odnofaznom toke. Moskva, Metallurgiya, 1965. 300 p.  
(MIRA 18:5)

ACC NR: AP7011364

SOURCE CODE: UR/0105/67/000/001/0091/009

AUTHOR: Stasyuk, V. N. (Candidate of technical sciences)

ORG: none

TITLE: Scientific and technical conference on the usage of power conducting rectifiers and thyristors in railroad transportation

SOURCE: Elektrichestvo, no. 1, 1967, 91-93

TOPIC TAGS: scientific conference, railway transportation, semiconductor rectifier, thyristor, silicon rectifier

SUB CODE: 09,13

ABSTRACT: From 15 to 18 June 1966, the Scientific and Technical Conference on the Usage of Power Semi-conductor rectifiers and thyristors in railroad transport was held in Tallin. In the main report heard at the conference, the introduction of semi-conductor rectifiers to railroad rolling stock in 1962 was described. It was pointed out that the operation of the semi-conductor rectifiers has been successful. The high percentage of failures of rectifiers during early periods of usage is of some concern, however. Other reports covered: the experience of usage of silicon rectifiers in railroad equipment; the usage of ignitrons; the protection of semi-conductor rectifier

Card 1/2

UDC: 621.33

0931 1748

ACC NR: AP7011364

installations; the reliability of silicon rectifiers; recuperative breaking in AC electric locomotives with thyristors; electric locomotives with asynchronous short circuited motors; electric locomotives with rectified thrust motors; high voltage DC motor electric locomotives; and the transmission of AC in diesel and gas turbine locomotives. [JPRS: 40,360]

Card 2/2

STASYUK, Ya.D., inzhener.

Wear and the selection of N-type metal plate lengths for pneumatic screw pumps. TSement 23 no.3:28-29 My-Je '57. (MLRA 10:7)

1. Rustavskiy tsementnyy zavod.  
(Pumping machinery) (Plates, Iron and steel)

STASYUKOVICH, S. P.

PA 241T25

USSR/Medicine - Infectious Diseases

Jan 53

"Some Problems in Connection With the Control of Typhoid," T. B. Gorgiyev, S. P. Stasyukevich, Dagestan Inst of Epidemiol and Microbiol

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 1, pp 80, 81

Authors state that in the territory investigated by them the incidence of typhoid has steadily declined during the past 10 yrs. However, some cases still occur and there is occasionally belated diagnosis of these cases. Bacteriol tests should be applied more extensively both in diagnostic and epidemiol work.

241T25

STATISTICAL, G. I.

USSR/Medicine - Dysentery

Mar 53

"The Problem of Chronic Dysentery. The Relative Frequency of Chronic Dysentery to the Total Incidence of Bacterial Dysentery," T. B. Gorgiev, V. I. Kovaleva, S. P. Stasyukevich, Epidemiol Div, Dagestan Inst of Epidemiol and Microbiol

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 3, pp 46-47

During 1943 - 1950, 17.9-23.6% of all cases of bacillary dysentery were chronic. In 6.3-10.1% of the cases, there was transition of acute dysentery into chronic dysentery. The relative frequency of chronic dysentery was highest during the winter and spring months.

PA 244T35

STASYUKOVICH, T.V.

Comparison of Jurassic sediments in eastern Transbaikalia  
according to the lithological characteristics of conglomerate  
formations. Trudy VSEGEI 81: 15-43 (1961) (MIRA 17:27)

Facies and conditions governing the formation of over Cretaceous  
sediments in the Kharangara trough. Ibid. 111-1.



SERLIN, M.; TUR, S.; STASYUKOVICH, Ye.

Record tests in gymnastics. Prof.-tekh.obr. no.10:30 0 '55.  
(MIRA 9:1)

- 1.Rukovoditel' seksii fizicheskogo vospitaniya (for Serlin).
- 2.Instruktor fizicheskogo vospitaniya remeslennogo uchilishcha no.11 (for Tur).
- 3.Instruktor fizicheskogo vospitaniya spetsial'nogo remeslennogo uchilishcha no.9 (for Stasyukovich).  
(Gymnastics)

STASYUKOV, M.; CHUBAROV, P.; ZAYCHENKO, I., ratsionalizator; RUTSINSKIY, V.;  
VOLOVIK, A.; KNYSHEV, I.; SHTEYNGART, M.

Why are the suggestions of Dnepropetrovsk metal workers ~~so slowly~~  
realized? Izobr. i rats. no. 11:24-25 N '58. (MIRA 11:12)

1. Dnepropetrovskiy metallurgicheskiy zavod im. Petrovskogo (for all  
except Shteyngart). 2. Starshiy inzh. Byuro izobretateley i  
ratsionalizatorov zavoda (for Stasyukov). 3. Zamestitel' predsedatelya  
zavodskogo komiteta (for Chubarov). 4. Zamestitel' sekretarya partiynogo  
komiteta zavoda (for Rutsinskiy). 5. Zamestitel' sekretarya komiteta Leninskogo  
kommunisticheskogo soyuza molodezhi Ukrainy (for Volovik). 6. Sotrudnik  
gazety "Tribuna metallurga" (for Knyshev). 7. Spetsial'nyy korrespondent  
zhurnala "Izobretatel' i ratsionalizator" (for Shteyngart).  
(Dnepropetrovsk--Efficiency, Industrial)

STASYUKOV, M.I.

21 2  
An electronic salimeter with an optical indicator. M. I. Stasyukov. *Boezgona* 5 No. 4, 15-16 (1957).—In most meters for measuring salt contents the indicator used is the magneto-elect type with a rotating element. It is of uncertain accuracy, and the const. flickering of its lamp irritating to the operator. The wiring diagram of an electronic instrument provided with a demodulator is shown that eliminates this fault with the use of lamp 3E5. H.L.O.

82 amf

ERYOM, A.; STASYUKOV, V.; Likh.

Speed up the searching of papers. Mar. 1985 no. 10:10-12  
(MIRA 18:11)  
D 165.

1. Glavnyy spetsialist analiza pover Chernomorskiy proyekt  
(for Kiyev). 2. Glavnyy pover Chernomorskiy proyekt (for Stasyukov).

GUZIENE, A.; STAS<sup>V</sup>ULIONYTE, G.

On the problem of the determination of uropepsin. Sveik. apsaug. 7  
no.8:38-40 '62.

1. Respublikine Vilniaus klinine ligonine, Vyr. gydytojas -- V. Zygas.  
(UROPEPSIN)

NESUKAITIS, V.; STAS<sup>V</sup>ULIONIS, M.

Automation of optic control of certain properties of plane surfaces  
by the polyphote method. Liet ak darbai B no.1:207-214 '61.  
(EEAI 10:9)

1. Institut energetiki i elektrotechniki AN Litovskoy SSR.

(Photochemistry) (Automation) (Surfaces)

AID P - 5098

Subject : USSR/Engineering  
Card 1/2 Pub. 110-a - 1/18  
Authors : Styrikovich, M. A., Corr. Mem. Academy of Sciences,  
USSR, and I. K. Stasyulyavichus, Eng.  
Title : Using special large peak-load boilers in a Heat and  
Power Plant.  
Periodical : Teploenergetika, 10, 3-8, 0 1956  
Abstract : The expediency in using special large boilers for peak  
district heating loads is demonstrated. The problems  
of the distribution of load are examined. The peak-  
load boilers must be inexpensive, simple in design and  
reliable in operation. Because of the wide range of  
steam and hot-water loads these boilers must function  
at different load levels. The hot-water type is simpler  
and less expensive, while the steam type is more  
flexible in operation and can store the steam at the

00513R001653010020-3

STASYULYAVICHUS, I-K.

Dissertations. Department of Technical Sciences, July-Dec. 1957.  
Vest. Ak. Nauk SSSR, 1958, No. 4, pp. 123.

At the Inst. of Power Engineering in G. M. Krzhizhanovskiy the following dissertations for degree of Cand. Tech. Sci. were defended:

- V. N. ADRIANOV - Transmission of Radiation Heat of Dusted Combustion Gases in the Channel With Cooled Walls.
- L. N. ZEGENTI - Problems of the Determination of the Optimum Parts of the GES in the System With Control Carried out for Years.
- A. A. ISMAILOVA - Investigation of the Thermal Processes in the Sun-Drying Devices of Different Fruit Structure.
- D. A. KAZBEKOVA - Problems of the Energy Supply of the Pastures of the Drive-Cattle Breeding.
- I. B. MOTSKUS - Investigation of the Gasdynamic and Electric Processes Accompanying the Elimination of the Arc by Air Jets.
- \* I. K. STASYULYAVICHUS - Covering of the Heat Maximum in the TET's of High and Superhigh Parameters.
- L. N. ZEGENTI - Problems of the Determination of the Optimum Parts of the GES in the System With Control Carried out for Years.
- A. A. ISMAILOVA - Investigation of the Thermal Processes in the Sun-Drying Devices of Different Fruit Structure.
- D. A. KAZBEKOVA - Problems of the Energy Supply of the Pastures of the Drive-Cattle Breeding.

\* also in KL 9-57 p.101



STASYULYAVICHUS, I.K. [Stasiulevichus, I.], kand.tekhn. nauk; SURVILA,  
V. Yu., inzh.; ASHANTAS, L.A. [Asmantas, L.], inzh.

Hydraulic resistance in a pipe with a helical groove. Energo-  
machinostroenie 10 no.10:45 0 '64 (MIRA 18:2)

ACCESSION NR: AP4017964

S/0236/63/000/004/0077/0081

AUTHORS: Stasyulyavichyus, Yu. K.; Samoshka, P. S.

TITLE: Heat transfer by staggered bundles of smooth pipe in cross air flow at high Re numbers

SOURCE: AN LitSSR. Trudy\*, Seriya B, no. 4, 1963, 77-81

TOPIC TAGS: pipe bundle, smooth pipe, heat transfer, staggered pipe bundle, Reynolds number, heat transfer, power plant, electric power plant, power plant equipment

ABSTRACT: The work was prompted by the scarcity of studies covering heat transfer from smooth pipe bundles in cross air flow. Yet these data are of paramount importance for the effective operation of modern heat power plants, making the problem very real. The average heat transfer of staggered smooth pipe bundles ( $a/b=1.27 - 1.94$ ) in a cross flow of compressed air in the Re range from  $10^4$  to  $2 \times 10^6$  was experimentally studied. The results are presented in criterial form and graphic dependences in the form of  $Nu_f=f(Re_f)$  are plotted. In all bundles investigated, a transition to an area of developed turbu-

Card 1/2

ACCESSION NR: AP4017964

lence with increased exponents of m-power, from 0.60 to 0.78-0.93 was observed in the  $Re=(1.6 - 2) \cdot 10^5$  zone. With the aid of grapho-analytical methods, a generalized equation,  $Nu_f=0.187(a/b)^{-5.35}$ .  $Re^{0.63/a/b}$  was derived for the calculation of heat transfer from staggered bundles of smooth pipe within the studied range of relative a/b indices. The pipe diameter in the bundles, the temperature of the incident flow and the velocity in the smallest cross section of transition have been used as determining values in the similarity criterion. Orig. art. has: 2 figures, 4 formulas, 2 tables.

ASSOCIATION: Institut energetiki i elektrotekhniki AN Litovskoy SSR (Institute of Power Engineering and Electrotechnics, AN. Lithuanian SSR)

SUBMITTED: 26Mar63

DATE ACQ: 13Mar64

ENCL: 00

SUB CODE: PH

NR REF SOV: 003

OTHER: 001

Card

2/2

ACCESSION NR: AP4017963

S/0236/63/000/004/0069/0075

AUTHORS: Stasyulyavichyus, Yu. K.; Samoshka, P. S.; Skrinska, A. Yu.;  
Survila, V. Yu.

TITLE: Thermophysical studies of a staggered smooth pipe bundle in  
cross flow of compressed air

SOURCE: AN LitSSR. Trudy\*. Seriya B, no. 4, 1963, 69-75

TOPIC TAGS: pipe, smooth, thermodynamics, heat exchange, heat transfer,  
aerodynamics, thermodynamics, bundle, Reynolds number, aerodynamics

ABSTRACT: The study has been prompted by the fact that the problem  
of heat exchange of a pipe bundle in an air flow at high Re numbers  
is not yet completely solved, thus making calculations difficult.  
Therefore, tests were made in the translitecate first Laboratory of  
Nuclear Power Engineering and Radioisotopes of the AN, Lithuanian  
SSSR covering heat transfer and aerodynamic resistance of staggered  
smooth pipe bundles in a cross flow of air in the range of  $Re > 10^5$ .  
The methods and the experimental installation for tests in air flow

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ACCESSION NR: AP4017963

at a 25 bars pressure are described. The results of the experimental study for a seven-row bundle  $a \times b = 2.2 \times 1.3$  in a cross air flow at  $Re$  104 to  $1.5 \times 10^6$  are presented. Graphs are plotted and criterial dependences for the calculation of heat transfer and aerodynamical resistance of the first and the depth row at a steady state heat operation are given. It is found that at  $Re = 2 \times 10^5$ , the flow around the bundle acquires a new character involving increased turbulence and intensified heat transfer (increase in  $Re$  index from 0.6 to 0.81 in the front row and to 0.83 in depth row). At this  $Re$  value the transitional operation changes into the auto-modeling type. Orig. art. has: 3 figures, 9 formulas

ASSOCIATION: Institut energetiki i elektrotekhniki AN Litovskoy SSR  
(Institute of Power Engineering and Electrotechnics, AN Lithuanian SSR)

SUBMITTED: 09Feb63

DATE ACQ: 13Mar64

ENCL: 00

SUB CODE: PH

NR REF SOV: 002

OTHER: 000

2/2

Card

L 16023-65 EWT(1)/EWP(m)/EPA(sp)-2/EPF(c)/EPA(w)-2/EEC(t)/EEC(b)-2 Pab-10/Pd-1/  
 ACCESSION NR: AP4048845 Pr-4/Peb BSD/SSD/ASD(f)-2/ S/0170/64/000/011/0010/0015

AFWL/AEDC(a)/AS(mp)-2 WW/AT

AUTHORS: Stasyulyavichyus, Yu. K.; Samoshka, P. S.

TITLE: Heat transfer<sup>1)</sup> and aerodynamics<sup>1)</sup> of staggered tube bundles in transverse  
 airflow in Reynolds number range  $Re > 10^5$

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 11, 1964, 10-15

TOPIC TAGS: Reynolds number, heat transfer, aerodynamic drag, Nusselt number

ABSTRACT: Experimental results were obtained on heat transfer and aerodynamic  
 drag of staggered smooth tube bundles with  $a/b = 1.27$  to  $1.94$ , in a Reynolds  
 number range  $10^4$  to  $2 \cdot 10^6$ . A rectangular working area, 1200 mm by 200 mm was  
 used in an aerodynamic test bed with high-pressure air supplied from an air  
 compressor. An electric heater was used with temperatures monitored by thermo-  
 couples. The maximum errors in determining various parameters were:  $\alpha - \pm 8\%$ ;  
 $R - \pm 4\%$ ;  $Nu - \pm 10\%$ ; and  $Eu - \pm 10\%$ . A table is given listing tube bundle geome-  
 tries where  $a$  - relative transverse tube spacing and  $b$  - relative longitudinal  
 tube spacing. Heat transfer measurements show larger values for the larger  $a/b$   
 ratios. A noticeable increase in  $Nu$  was observed at transitional Reynolds

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L 16023-65

ACCESSION NR: AP4048845

numbers,  $1.6 - 2.0 \cdot 10^6$ . An empirical result relating the various parameters yields  $Nu_f = 0.187 (a/b)^{-5.35} Re_f^{0.68}$ . Eu versus Re curves show strong minima

in the aerodynamic drag curves corresponding to transition Reynolds numbers. The effect of tube staggering on drag was also investigated. For  $a \times b = 1.19 \times 0.94$ , a plateau was observed in Eu values for values of  $Re > 2 \cdot 10^6$ . For  $a \times b = 2.48 \times 1.28$ , the minimum value in Eu was followed by a gradual rise. Orig. art. has: 4 figures, 3 tables, and 1 formula.

ASSOCIATION: Institut energetiki i elektromekhaniki AN Litovskoy SSR, g. Kaunas  
(Institute of Power and Electromechanics, AN Lithuanian SSR)

SUBMITTED: 20Aug63

SUB CODE: ME

NO REF SOV: 002

ENCL: 00

OTHER: 002

Card 2/2

ACCESSION NR: AP4017965

S/0236/63/000/004/0083/0088

AUTHORS: Stasyulyavichyus, Yu. K.; Samoshka, P. S.

TITLE: Aerodynamic resistance of smooth pipe in staggered bundles  
in cross flow of air at high Re numbers

SOURCE: AN LitSSR. Trudy\*. Seriya B, no. 4, 1963, 83-88

TOPIC TAGS: aerodynamic resistance, automodeled zone, Reynolds number,  
staggered pipe bundle, smooth pipe bundle, aerodynamics, air cross  
flow

ABSTRACT: The work was prompted by the absence of data on the aerodynamics of smooth pipe bundles at high Re numbers ( $2 \times 10^5$ ), resulting in practical difficulties when calculations are required. The resistance of five staggered bundles of smooth pipe  $a/b = 1.27 - 1.94$  to a cross air flow in the Re interval of  $10^4$  to  $2 \cdot 10^6$  was studied, including the dependence of resistance in the bundles on number  $z_2$  of longitudinal rows. It was found that the resistance stabilizes at seven longitudinal rows and is independent of further increase. These results are expressed in criterial form showing graphic depen-

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ACCESSION NR: AP4017965

dences  $Eu_1 = f_1(Re)$  and  $Eu/z_2 = f_2(Re)$ . Data analysis showed that in the range  $Re = (1.8 - 2.6) \times 10^5$  the transition to an automodeled zone of developed turbulence begins. In closely staggered bundles ( $a/b < 1.7$ ) the automodeled setup incurs beyond the transitional zone  $Z(Re = 8 \cdot 10^5)$ . Orig. art. has: 4 figures, 6 formulas, no tables.

ASSOCIATION: Institut energetiki i elektrotekhniki AN Litovskoy SSR (Institute of Power Engineering and Electrotechnics, AN Lithuanian SSR)

SUBMITTED: 26Mar63

DATE ACQ: 13Mar64

ENCL: 00

SUB CODE: PH

NR REF SOV: 004

OTHER: 003

Card 2/2

STASYULYAVICHYUS, Yu.K. [Stasiulevicius, J.]; SAMOSHKA, P.S

Heat transfer and aerodynamics of staggered banks of tubes in a transverse air flow in the range of  $Re > 10^5$ . Inzh.-fiz. zhur. no.11:10-15 N '64. (MIRA 18:2)

1. Institut energetiki i elektrotekhniki AN Litovskoy SSR, Kaunas.

L 50541-65 EWT(1)/EWT(m)/EPF(c)/EPF(n)-2/EWA(d)/EPR/EWP(t)/EWP(k)/EWP(b)/  
EWA(c) Pf-4/Pr-4/PS-4/Pu-4 JD/WW/HW

ACCESSION NR: AP5009170

UR/0236/65/000/001/0123/0128

50  
49  
B

AUTHOR: Skrinska, A. (Skrinska, A. Yu.); Stasiulevicius, J. (Stasyulyavichyus, Yu. K.)

TITLE: Experimental study of the influence of nonuniformity of the heat transfer coefficient on the efficiency of finned tubes

2

SOURCE: AN LitSSR. Trudy. Seriya B. Fiziko-matematicheskkiye, khimicheskkiye, geologicheskkiye i tekhnicheskkiye nauki, no. 1, 1965, 123-128

TOPIC TAGS: heat transfer, heat transfer coefficient, finned tube, air stream, spiral fin, Reynolds number

76

ABSTRACT: The change in the heat transfer coefficient of tubes with spiral fins along the height of the fin in a transverse stream of air at different Re numbers was examined. The distribution of heat transfer along the height of the fin was found to be the same for a single tube as for a tube in a cluster. The heat transfer of a finned tube in a staggered cluster is more uniform at the circumference of the tube, however, than is the heat transfer of a single tube. In determining the convective heat transfer coefficients of various finned tubes, one can calculate the correction coefficient  $\psi$  from the following formula:  $\psi = 0.97 - 0.056 \beta h$ , for the range of  $\beta h$  from 0.3 to 3. This correction coefficient is necessary because

Card 1/2

L 50541-65

ACCESSION NR: AP5009170

the change in the distribution of the heat transfer coefficient of a finned surface affects the efficiency of the fin. Orig. art. has: 4 figures and 3 formulas.

ASSOCIATION: Institut energetiki i elektrotekhniki Akademii nauk Litovskoy SSR  
(Institute of Power and Electrical Engineering, Academy of Sciences,  
Lithuanian SSR)

SUBMITTED: 13Jun64

ENCL: 00

SUB CODE: TD

NO REF SOV: 007

OTHER: 002

ms  
Card 2/2

SAMOSHKO, P.S. [Samoška, P.]; STASIVILYAVICHYUS, Yu.K. [Stasiulevičius, J.]

Thermophysical study of tightly packed smooth-tube staggered beams  
in a transverse air flow at  $Re$  not exceeding  $2 \cdot 10^6$ . Trudy AN Lit.  
SSR. Ser. B no.3:163-167 '65. (MIRA 19:1)

1. Institut energetiki i elektrotehniki AN Litovskoy SSR.  
Submitted January 4, 1965.

STASIUNAS, Antanas; STASKONIENE, F., red.; SARKA, St., tekhn. red.

[Turner's manual] Tekintojo vadovas. Vilnius, Valstybine  
politines ir mokslines literaturos leidykla, 1963. 223 p.

(MIRA 16:5)

(Turning--Handbooks, manuals, etc.)

L 08080-67

ACC NR: AT6033750

SOURCE CODE: PO/2541/66/010/001/0077/0080

AUTHOR: Staszewski, Andrzej (Master engineer); Stepień, Bogusław (Master of arts)

ORG: none

TITLE: Vacuum evaporated Ni-Cr thin film resistors

SOURCE: Warsaw. Instytut Tele- i Radiotechniczny. Prace, v. 10, no. 1(34), 1966, 77-80

TOPIC TAGS: resistor, thin film resistor, evaporation, vacuum technology,  
MICROELECTRONIC THIN FILM

ABSTRACT: A description is given of the vacuum method for producing Ni-Cr thin film resistors for passive microcircuits. The method is expected to produce highly stable resistors with a low coefficient of temperature resistivity in a range of 100—50,000 ohms. Four experimental sample series have been produced and tested. Resistance films were deposited on 2 x 3 cm FK5 optically polished glass plates, using a Balzers 350K vacuum apparatus. To obtain the film an 80% Ni—20% Cr wire 1.6 mm in diameter was sublimated at 1100 ± 30C at a pressure of 5·10<sup>-5</sup> Torr for 12 min. Results were satisfactory. Orig. art. has: 1 table.

SUB CODE: 09/ SUBM DATE: 20Oct65/

Card 1/1

UDC: 621.316.84

L 20405-66 EWP(m)/EWP(j)/T/ETC(m)-6 WW/RM

ACC NR: AP6000401 (A)

SOURCE CODE: UR/0374/66/000/001/0060/0066

AUTHOR: Machyulis, A. N.; Pugina, M. I.; Zhechyus, A. A.; Kuchinskas, V. K.; Stasyunas, A. P.

ORG: Institute of Power Engineering and Electronics, AN LitSSR, Kaunas (Institut energetiki i elektroniki AN Litovskoy SSR)

TITLE: The effect of certain additions and surrounding media on the static and fatigue strength of polyamides

SOURCE: Mekhanika polimerov, no. 1, 1966, 60-66

TOPIC TAGS: polyamide, lactam, fatigue strength, thermal effect, thermal stability, rupture strength, static pressure, polymer

ABSTRACT: The effect of various stabilizers and of the surrounding medium on the static strength of polycaprolactam during thermal treatment was investigated. It was shown that the dynamic strength depends the method by which the stabilizers are introduced. The stabilizing medium and the varnish, containing the thermo-stabilizer covering the polyamides, are found to delay the thermooxidation and cause a decrease in strength. It was observed that with thermal treatment the decrease in the strength of polyamides results from the inner stresses and the microdefects appearing with the rupture of molecular chains. Orig. art. has: 5 figures and 2 tables. [Based on authors' abstract.]

SUB CODE: 20,07 SUBM DATE: 30Jul65/ ORIG REF: 009/ OTH REF: 004/

Card 1/1 BK

[NT]



STASYUNAS, A.S.

Device for recording bioelectric processes on magnetic  
tape. Trudy LIETIN no.13:272-276 '64.

(MIRA 18:12)

STASYUNAS, V.P. (Leningrad, K-32, Polyustrovskiy pr., d.51, kv.15)

Oxygen requirement during intracardiac operative intervention in congenital cyanotic heart defects [with summary in English]. Vest.khir. 79 no.11:72-80 N '57. (MIRA 11:3)

1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach.-prof. P.A.Kupriyanov) Voenno-meditsinskoy ordena Lenina akademii im. S.M.Kirova.

(CARDIOVASCULAR DEFECTS, CONGENITAL, surg.

intracardiac surg. in cyanotic cardiovasc. dis., determ. of oxygen requirement (Rus)

(OXYGEN

requirement in intracardiac surg. in cyanotic cardiovasc. dis. (Rus)

SHANIN, Yu.N.; STASYUNAS, V.P.; UVAROV, B.S..; MESHCHERYAKOV, N.A.

Use of imbretil in anesthesia with controlled respiration.  
Vest.AMN SSSR 17 no.8:53-56 '62. (MIRA 15:12)

1. Kafedra anesteziologii Voenno-meditsinskoy ordena Lenina  
akademii imeni S.M.Kirova.  
(IMBRETIL) (ANESTHESIA)

SHANIN, Yu.N.: UVAROV, B.S.; MESHCHERYAKOV, N.A.; STASYUNAS, V.P.; KARIMOVA  
T.V.; KIVIK, A.A.; KROKHALEV, Yu.S.; LIVANOVA, T.B.; LOPATIN, V.A.;  
LYUBICHEVA, Z.L.; SIPCHENKO, V.I.

Characteristics of the anesthesia and work of the anesthesiolo-  
gist in surgery with artificial blood circulation. Grud.khir.  
5, no.1:116-121 Ja-F'63. (MIRA 16:7)

1. Iz kafedry anesteziologii (nachal'nik - deystvitel'nyy chlen  
AMN SSSR prof. P.A.Kupriyanov) Voenno-meditsinskoy ordena Lenina  
akademii imeni S.M. Kirova.  
(SURGERY, OPERATIVE) (BLOOD—CIRCULATION, ARTIFICIAL)

STASZCZAK, Boleslaw

Exhibition at the 25th Scientific-Technical Conference of  
the Association of Polish Geodesists. Przegl geod 35  
no.2:101-102 F '63.

STASZCZUK, I.; F. N.; E. P.

Collective deliveries of livestock. p. 7; ROLNIK SPOLDZIELCA. (Centrala Rolnicza Spoldzielni "Samopomoc Chlopska") Warszawa; Vol. 8, no. 26, June 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 4, No. 12, December 1955.

STASZCZUK, Jan

Prospects for the use of bent perforated shapers made of sheet metal. Wiad elektrotechn 31 no.1/2:24-25 Ja-F '63.

1. Zaklady Produkcji Pomocniczej Elektromontaz, Gdansk.

STASZCZYK, S.

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Uncl.



BORECKI, Z.; NOWACKA, H.; STASZEK, I.

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controlling it. *Acta agrobot* 12:131-147 '62.

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STASZEK, Jan., mgr inz.

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no. 3:65 Mr '63.

1471

644.1.038.2

Pietrzykowski T., Staszewska B., A Comparative Study of the Purification of Clarified Juices.

„Porównawcze badania nad oczyszczaniem klarówek”. Gazeta Cukrownicza, No. 9, 1961, pp. 179—185, 3 figs.

An analysis is made of the advantages of purifying the clarified juice separately and together with the diffused juice. A considerable

simplification of the process is effected by returning the clarified juice to the measurers. An analysis, by both methods, of white sugars, did not reveal any difference in the colorization of the sugar.

Poland/Chemical Technology - Chemical Products and Their Application. Carbohydrates and Refinement, I-26

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63510

Author: Pietrzykowski, Tadeusz; Staszewska, Barbara

Institution: None

Title: Preliminary Experiments on the Use of Chromatography for the Investigation of the Composition of Molasses

Original

Periodical: Wotepene proby zastosowania chromatografii do badan nad skladem melasu. Gaseta cukrown., 1953, 55, No 4-6, 106-108; Polish

Abstract: Brief data are presented concerning the history of development of chromatography and its use in the analysis of molasses. Experiments are described on the use of chromatography for determination of  $\alpha$ -amino acids in molasses using as adsorbents starch,  $Al_2O_3$ , and  $SiO_2$  gel. Relatively better though also unsatisfactory results were obtained on using  $Al_2O_3$ .

Card 1/1

STASZEWSKA BARBARA

Equipment for continuous vacuum filtration. Henryk Dąbrowski, Barbara Staszewska, and Władysław Zera. *Prace Inst. i Zakł. Badawczych Instytutu Rolnego i Spółwzrogo 5, No. 1, 8-13(1955)(French summary).—Improvement of filtration of the juice from the first satn. was studied involving the detn. of variables of this unit operation and design of a continuous vacuum filter and decanters. A continuous rotary vacuum filter employing properly supported fabric filtering media was used. The filter had provisions for continuous discharge of the filter-cake as well as of the filtrate. Optimum conditions were detd.* A. J. P.

(2)

STASZEWSKA, BARBARA

Adsorption by calcium carbonate during sirup purification

by defeco-saturation. Władysław Zero, Barbara Staszewska, Bolesław Szucki, Anna Kintzel, and Zbigniew Nitschke. *Prace Inst. i Lab. Badawczych Przemysłu Rolnego i Spożywczego* 5, No. 1, 14-21(1955).—Although adsorption of nonsugars is of great value in sugar purification, it presents serious disadvantages from the standpoint of sugar crystals, which as a rule takes place in contaminated solns. Adsorption of nonsugars on purifying adsorbents depends on their character and concn. Conclusion: Adsorption by  $\text{CaCO}_3$  is not limited to the removal of the colored substances only but involves to a certain extent nonsugars of both org. and inorg. character. Degree of adsorption by  $\text{CaCO}_3$  depends on the amt. of Ca introduced; hence it depends on the total surface of adsorption. Concn. of Ca exceeding 6%  $\text{CaO}/100^\circ$  Brix. does not increase the adsorption. Percentage-

wise, adsorption is most pronounced in colored "amethyst" substances and connected with  $\alpha$ -amino acids.  $\text{Ca}^{++}$  cations are adsorbed more strongly than  $\text{K}^+$  cations. Increase of the value of the factor:  $n = (\text{percentage of adsorption at } 4720 \text{ \AA.})/(\text{percentage of adsorption at } 5900 \text{ \AA.})$  resulting from the increase of the  $\text{Ca}^{++}$  addn., indicates the removal of undesirable colored substances. Percentage of nonsugars removed depends on concn. of the soln. subjected to the defeco-satn. Adsorption of org. substances decreases as concn. of defeco-satd. soln. increases; however, adsorption of inorg. substances follows an opposite pattern. The retarding effect of viscosity of the soln. upon the rate of adsorption is most pronounced in the case where high-mol. org. substances are present. The process of adsorption appears to be very complicated. Apart from phys. adsorption and chemisorption, there is undoubtedly a purely mech. process of removal and occlusion of colloidal and semicolloidal particles in the course of defeco-satn. A. J. P.

(4)

STASZEWSKA, B.

✓ Comparison of the action of active carbon on juice [which is]  
(a) clarified and (b) containing residues from second saturation.  
T. Pietrzyowski, W. Zero, and B. Staszewska (*Gaz. Cukr.*, 1955, 57,  
73—75).—Active C (0.25—2.0% on dry solids) was added to beet  
juice before second saturation or after second saturation at 80° to  
0.01% CaO, before or after the filtration. The C was left in contact  
for 3—10 min. and then filtered. From determinations of the juice  
colours it was found that the addition of C gave the best effect after  
second saturation and filtering, with only 3 min. contact, especially  
with small amounts of active C. *SUG. IND. AUSTR.* (E. M. J.),

2



STASZEWSKA-MODZELEWSKA, B.

POLAND / Chemical Technology, Chemical Products and Their  
Application. Part 3 - Carbohydrates and Their  
Treatment.

H-25

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12729.

Author : B. Staszewska-Modzelewska.

Inst : Not given

Title : Influence of Clarifier Addition on Juice Decantation and  
Filtration after First Saturation.

Orig Pub : Gaz. cukrown., 1956, 58, No 2, 47 - 48.

Abstract : The presented results of laboratory and pilot-plant ex-  
periments show the damaging influence of the addition of a  
large amount of clarifier (the decantation proceeds worse  
and the filtration duration is longer).

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Ewa; WASAK, Henryk

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23 N°64

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(HISTAMINE, effects,  
hypertension-induction (Pol))  
(HYPERTENSION, experimental,  
histamine-induced (Pol))

ASKANAS, Z.; LUKASIK, E.; STASZEWSKA, J.; STOPCZYK, M.; WAJSZCZUK, W.; przy  
wspoludziale matematycznym SURY, J.

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dr Z. Askanas.

(VECTORCARDIOGRAPHY)

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1. Submitted December 18, 1964.

STASZEWSKI, Bogdan

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STASZEWSKI, Janusz, mgr inż, prof. nadzwyczajny

Auxiliary fishing fleet. Bud okretowe Warszawa 8 no.5:153-156  
My '63.

1. Politechnika, Gdansk.

STASZEWSKI, A.

"Motors for deep well pumps."

SO: Wiadomosci Elektrotechniczne, Vol. 13, No. 12, December 1953,  
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D-12252).

STASZEWSKI, J.; PASZKOWSKI, S.

Herring fleet depot ship of the B-62/1 type with 9,000 t.d.w. p. 62.

PROF. WILCZYŃSKI. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich, Sekcja Chłodniczo) Warszawa, Poland.  
Vol. 1, no. 3, Mar. 1959.

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Uncl.

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1. Wydział Budowy Okretow, Politechnika, Gdansk (for Staszewski).
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STASZEWSKI, Jerzy.

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Jeremi Swiecki. Gliwice, Instytut Onkologii.  
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etiol., review)

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Significance of smoking in the appearance of bronchial cancer. Polski tygod. lek. 14 no.43:1904-1908 26 Oct 59.

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(BRONCHI, neopl.) (SMOKING, compl.)

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(CARDIOVASCULAR DISEASES etiol)

(RESPIRATORY SYSTEM dis)

(SMOKING statist)

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Preliminary investigations on the pattern of tobacco consumption in Poland. Roczn. nauk roln. rosl. 81 no.4:975-990 '60. (EEAI 10:9)

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(Poland—Tobacco)



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Manifestations of bronchial cancer and delayed diagnosis. Polski  
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1. Z Instytutu Onkologii - Oddział w Gliwicach; dyrektor: dr med.  
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STASZEWSKI, Jerzy

Smoking and its relation to gastric and esophageal cancer and peptic ulcer. Polski tyged. lek. 16 no.8:287-292 20 F '61.

1. Z Instytutu Onkologii, Oddzial w Gliwicach dyrektor: dr med. Jeremi Swiecki.

(STOMACH NEOPLASMS etiol) (ESOPHAGUS neopl)  
(PEPTIC ULCER etiol) (SMOKING)

POLAND

STASZEWSKI, Jerzy, Oncology Institute (Instytut Onkologii),  
Division (Oddzial) in Gliwice (Director: Dr. med. Jeremi  
SWIRECKI)

"Remarks on Investigating the Epidemiology of Cancer."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 22, 27 May 63,  
pp 772-775.

Abstract: [Author's English summary modified] Author dis-  
cusses the importance and difficulties in studying cancer-  
genic factors in the environment with a view to removing  
them and thus lowering the morbidity of the disease, noting  
that the etiology and pathogenesis of cancer need not be  
fully known to accomplish this end. He also discusses the  
principal methods of cancer epidemiological studies and  
outlines the projected plan for such studies in Poland. Of  
the five (5) references, one is in Polish and the others  
in English.

1/1

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1333-1334 15 S '65.

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Ptolemy and the origin of the word geography.  
p. 235

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Uncl.

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p. 685.  
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Poland).

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STANISLAW, J.

Eighteen hundred years of Kalisz; a page from the history of ancient Greek  
geography. p. 182.

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Incl.

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(Witthauer, Kurt)  
(Population)

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STASZEWSKI, Jozef; PISZCZEK, Maria [translator]

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Aleksander Michalski, geologist, 1855-1904. Kwart hist  
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1. Kierownik Działu Historii Techniki, Zakład Historii  
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Staszewski, E.

Mining of mineral raw materials p. 13

PRZEMIAŁ SPRAWNICZY (Stowarzyszenie Inżynierów i Techników Mechaników Polskich)  
Warszawa, Poland. Vol. 11, No. 10/11, Oct/Nov. 1959

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Uncla.

STASZEWSKI, R.

The future of brown coal in Poland. p. 544

PRZEGLAD GORNICZNY. (Stowarzyszenie Naukowo-Techniczne Inzynierow i  
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Vol. 15, no. 10/11, Oct./Nov. 1959

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STASZEWSKI, Rafal; POMPOWSKI, Tadeusz; JANAK, Jaros

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1. Department of Technical Analysis, Technical University, Gdansk,  
and Department of Analysis of Gases, Czechoslovak Academy of  
Sciences, Brno.

STASZEWSKI, Rafal; JANAK, Jaroslav

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1. Department of Technical Analysis, Politechnika, Gdansk (for  
Staszewski). 2. Laboratory of Gas Analysis, Academy of Sciences,  
Brno, Czechoslovakia.

STASZEWSKI, Rafal; JANAK, Jaroslav

Porous teflon as support in gas-liquid chromatography. Chem anal  
7 no.6:1073-1082 '62.

1. Department of Technical Analysis, Politechnika, Gdansk (for  
Staszewski). 2. Laboratory of Gas Analysis, Academy of Sciences,  
Brno, Czechoslovakia.

STASZEWSKI, R.

Preliminary propositions of Polish terminology in gas chromatography. Wlad chem 16 no.6:383-394 Je '62.



S/081/62/000/023/019/120  
B156/B186

AUTHORS: Staszewski, R., Janák, J.

TITLE:

Comparative investigation of certain carrying agents, porous  
teflon in particular, for gas-liquid chromatography

PERIODICAL:

Referativnyy zhurnal, Khimiya, no. 23, 1962, 118, abstract  
23B869 (Collect. Czechosl. Chem. Commun., v. 27, no. 3, 1962,  
532 - 545 [Ger.; summary in Russ.] )

TEXT: The effect of the nature of solid carrying agents (CA) on peak  
symmetry, on the number of theoretical stages, and on the other character-  
istics of chromatographic separation have been investigated. In addition  
to standard carrying agents ("sterkhamol" refractory brick, celite 545 and  
chromosorb) tests were made on NaCl, Ca phosphate, teflon (produced by  
Dupont, grade 6), and sterkhamol to which epoxy resin had been added. The  
teflon was suitable only for temperatures up to 150°C, since above 200°C  
it softens and dissociates. The specific surface areas of the carrying  
agents were measured by thermal desorption with N<sub>2</sub> and by the method of  
comparison described in RZhKhim, no. 7, 1959, 22721; the surface area is

Card 1/2

Comparative investigation of...

S/081/62/000/023/019/120  
B156/B186

much lower for teflon than for the other carrying agents with the exception of celite. The fixed phases used in the experiments were squalene, dinonylphthalate and diglycerine at 70°C; in some experiments no CA was used; the peak asymmetry was determined for n-hexane, benzene, ether, alcohols and acetone. Teflon is particularly suitable for separating polar substances in non-polar CA, particularly for separating mixtures of alcohols or mixtures of CO<sub>2</sub>, H<sub>2</sub>S, CO, SO<sub>2</sub> and CS<sub>2</sub>. [Abstracter's note: Complete translation.]

Card 2/2

POLAND

STASZEWSKI, Rafal, dr inz.; POMPOWSKI, Tadeusz, prof. dr.

Department of Technical Analysis and Goods Science, Gdansk  
Polytechnic (Katedra Analizy Technicznej i Towaroznawstwa  
Politechniki, Gdansk-Wrzeszcz) (for both)

Warsaw, Chemia analityczna, No 6, November-December 1965,  
pp 1123-1128.

"Proper surface measurement by the heat desorption method."

STASZEWSKI, W.

4

P O L .

798. On the mutual influence of spheres in vibrating air. W. STASZEWSKI. *Acta phys. Polon.*, 13, No. 3, 209-8. ~~1954~~

The force acting on small spheres in a Kundt tube placed at different distances from each other with their line of centres normal to the vibration vector has been investigated. When the spheres are close together this force is shown to be one of attraction or repulsion according to the size of the spheres as well as to the frequency and intensity of air vibrations. The contradiction of R. S. Cook's and E. N. da C. Andrade's results is thus explained, the conditions of their experiments differing considerably. A.